

# FOLIO

## Legal Resource Centre Exceedingly Active

The discovery of fire was followed almost immediately by its use for personal and tribal well-being. With central heating taken care of, humankind could dabble at putting irons in the fire. Nowadays such manoeuvring is virtually an art form, one that requires patience, dexterity, and, oftentimes, certain sums of money. As regards this University and affiliated bodies, one of the more accomplished artisans in the iron medium is the Legal Resource Centre.

The Centre has been positioning irons, *sans* singeing, since May 1975 when it was set up in direct response to an initiative taken by the Alberta Law Foundation in stimulating public legal education. In September of that year, the Legal Resource Centre of Alberta Ltd. and the Faculty of Extension struck an agreement whereby the Faculty agreed to create a Legal Resource Centre (in Corbett Hall, as it turned out). Funds for the project were and continue to be obtained by the Legal Resource Centre of Alberta Ltd. from the Alberta Law Foundation. A library was established and the first training programs—week-long sessions for native court workers—were conducted. In short order more irons had to be forged because the Centre was in full pursuit of its goal of “increasing public interest in the law, developing a sense of public responsibility toward the law, and providing access to legal information and skills necessary for meaningful public participation.”

A Youth Program was undertaken, the first initiative being a puppet show that toured provincial fairs during the summer and visited classrooms in Edmonton and Calgary during the school year. This led to publication of

*Learning From Puppets: The History of a Public Legal Education Project*, a text for teachers, drama instructors, childcare workers, and community organizers.

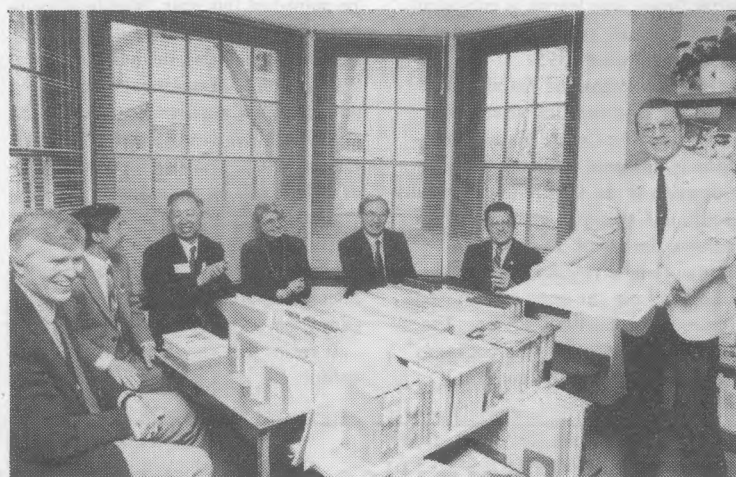
In 1982, the development of the youth collection in the library was undertaken.

Teacher training on an *ad hoc* basis began to manifest itself and resulted, in 1980, in the appointment of a Schools Programming Officer. The long-term goal is to encourage development of a proposal for a systematic and sequential approach to the teaching of law from kindergarten through grade 12.

The Centre, which is administered by the Faculty of Extension, continued to expand. In 1979, it moved to 10049 81 Avenue and, with the likes of Imported Fancy Food, Sterling Homes, and Rosebrand Quality Water Ltd. among the two-storey building's tenants, hung out a rather large shingle. The staff now numbers 21 persons, including four lawyers, two teachers, two librarians, a journalist and a visual designer.

“We take an interdisciplinary approach to our work,” says Lois Gander, Director of the Centre since its inception. At the moment, the Centre's services are free but one gathers that invasion is threatening that happy state.

Ms. Gander was a founding member of Student Legal Services and of the Boyle Street Co-op, a social service co-operative. She served on a joint committee of the Law Society of Alberta and the Canadian Bar Association which was formed to study the needs of Albertans for pre-paid legal services. A graduate of the University of Alberta (BA, LLB), Ms. Gander was admitted to the Bar in 1972.



*Before June starts bustin' out all over, a charge may be set off at East Asian House. The library's seams are being stretched by the many donations of books; the latest one, that of 18 April, yielded some 300 (all new) volumes on modern literature, geography, history, political science, and economics. Dean White (extreme left) accepted the donation by the Government of China on behalf of the Faculty of Arts. Also pictured (left to right) are translator An Wen Bin; Yü Zhan, Chinese Ambassador to Canada; Amy Zelmer, Associate Vice-President (Academic); the Hon. Dick Johnston, Minister of Advanced Education; Morris Maduro, Federal and Intergovernmental Affairs; and Stan Munro, Chairman of East Languages and Literatures. Yes, the cake went down well.*

Other Directors of the Legal Resource Centre are Diane Rhyason and Mary Davis; and, from the University, Hayden Roberts, Faculty of Extension; Peter Freeman, Chief Librarian; Madge MacGown, Head of the Herbert T. Coultts (Education) Library; and San San Sy, Faculty of Extension.

Directors are selected not only for their interest in public legal education, but also for their practical knowledge and skills.

Much of the Centre's activity is action oriented, that is, tied to some application that is immediate. Thus crime prevention programs, the extension of help to groups preparing funding applications, and the conducting of workshops on such topics as the use (by teachers) of statutes for legal research and legal referrals (by receptionists) are commonplace.

At the heart of the Centre's operations is a multi-media library which serves as a definitive collection of the materials available in the realm of public legal education.

Canadian and Alberta materials run the gamut of legal and law-related topics. In the total collection of 16,000 plus are books, periodicals, pamphlets, audio-visual aids, games and kits which are available to non-lawyers for up to four weeks.

The library offers reference, referral, circulation, bibliographic, display and consulting services. Last year an estimated 6,000 groups and individuals were served directly by the library.

*Resource News*, the Centre's monthly newsletter, is published 10 times per year. It has a circulation of 3,750, including 550 copies to schools. A calendar of events, a relatively recent addition, alerts readers to

public legal education events held throughout Alberta.

It has been estimated that during 1983 the Centre served 20,000 people directly and at least twice that many indirectly. (The primary clientele are teachers, librarians, community leaders, and public legal education practitioners.) It was also estimated that the over-all increase in activities was 15 percent over that of 1982. The latter figure, one learns, is consistent with the steady growth the Centre has experienced since 1975.

To help increase its visibility and service in communities other than Edmonton, the Centre plans some shifts in program emphasis. Greater promotion of the Centre to community groups in Calgary is expected to increase the use of the Speakers Bureau (whose residents also field enquiries from the news media), the library and consulting services. The development of "workshop packages" is expected to put the Centre in

smaller centres' line of sight.

Other initiatives for 1984 include publication of a booklet on the use of the Criminal Code, expansion of workshops on tax law and structures, and the development of workshops for youth using literature as the axis.

Networking and research efforts will be maintained and a supplement to *People and Law: a bibliography of public legal education* is expected to be published this year. Membership in a number of community and law-related associations, including the Association of Human Services in Alberta, the Canadian Institute for the Administration of Justice, and the Canadian Congress for the Prevention of Crime, will be maintained.

Also worthy of note is the Centre's intention to start a "major exploration" of the feasibility of using home computers in public legal education.

It seems that the Iron(s) Age is not defunct. □

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## Mission: To Eliminate Redundancy in Health Care

A new book edited by Einer Boberg, Speech Pathology and Audiology, and Eve Kassirer, Medical Sociologist, Department of National Health and Welfare, may help eliminate redundancy in health care by providing up-to-date information on other professions.

*Rehabilitation Teams: Action and Interaction* is a compilation of articles by 10 health care professionals in the fields of dentistry, special education, medicine, nursing, occupational therapy, physiotherapy, psychiatry, psychology, social work, and speech pathology and audiology. The authors describe their particular profession by outlining such things as its history, training programs, basic and

specialized knowledge, research, clinical skills, and the inherent rights and responsibilities.

Six faculty members at our University contributed to the book: David Baine, Educational Psychology; Robert Shea, Pediatrics; Sharon Brintnell, Occupational Therapy; Roger Bland, Psychiatry; Henry Janzen, Clinical Services, Education; and Gayle James, Social Welfare.

According to Dr. Boberg, health care professionals are "dimly aware of what others do as it relates to skills, education, and their roles in the rehabilitation of a patient." He adds that sometimes there is an overlapping of functions simply because of this and there is no sufficient up-to-date information on the professions. The publication is intended to educate individuals on the role played by each particular professional in the rehabilitation of a patient.

Editors Boberg and Kassirer decided that it was not enough to publish articles by the various professionals and so they applied the written information to an actual case study. In this study they describe the contribution made by each professional in the care and treatment of the patient.

A lecture and reception will be held 9 May at 3:30 p.m. in the Saskatchewan Room of the Faculty Club. Eve Kassirer will address "Improving Quality of Health Care Through Consensus Guidelines." The reception will follow, at which time free copies of the book will be available. The book was published by the Department of National Health and Welfare, Canada. □

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## Campus Computing Sites to be Toured

"You know a lot about computer games but what do you know about computers?" With that well-timed line, the computing manager in the television ad chills the nervous job applicant. If the applicant joins a tour of computer centres being planned by

the Department of Computing Services, he will undoubtedly learn much about computers, particularly as they relate to the day-to-day activity of the University.

The Study Group on Computer Literacy (SGCL) is organizing the tour over a two-day period during the week of 18 June. The Group was established in the fall of 1983 in order to respond effectively to the increased interest in and awareness of computers on campus. While it is expected that the majority of the people on tour will be University staff and faculty, other individuals with an interest in the computing scene are welcome to take part.

At the moment, prospective tour sites are Computing Services, the Office of Administrative Systems (OAS), the Division of Education Research Services (DERS), Chemical Engineering's Data Acquisition, Control, and Simulation (DACS) Centre, Alberta Research Council, Printing Services, Computing Science, the University Science and Technology Library, Physical Plant's Energy Management Branch, and the University Hospitals, and the Nuclear Research Centre.

Four sites will be selected, depending on the preferences of the

participants.

Karen Walker, Documentation Coordinator, Department of Computing Services, is assisting in the organization of the tour. She can be reached at 352 General Services Building, 432-2261 or 432-2463, or via a MTS message to Karen Walker on "Computer Literacy Tour."

The members of SGCL are W.J. Kurmey (Chairman), Library Science; Dale Bent, Computing Services; C.E. Capjack, Engineering; Donald Fenna, Medicine; S. Hunka, Education; L.W. Kennedy, Sociology; L.J. White, Computing Science; and Cliff Morgan, Computing Services.

Further details on the tour will be noted in a coming issue of *Folio*. □

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## FOLIO

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## CITL to 'Play it Again'

The Committee for the Improvement of Teaching and Learning is offering a Spring Workshop and Seminar Program in order to accommodate those who were unable to attend the sessions scheduled during the fall and winter terms. Most of the sessions are

repeats of popular activities.

A listing of the workshops and seminars appears in the "Coming Events" section in this issue.

Registration forms are available from Morag Pansegrau, Coordinator, CITL. □

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## St. John Lambert, Orrell to be Inducted Into Royal Society

Richard St. John Lambert, Geology, and John Orrell, English, have been elected to Fellowship of the Royal Society of Canada. They have been invited to attend induction ceremonies 27 May at the University of Guelph.

Professor St. John Lambert has been with the Department of Geology since 1970, serving as Chairman from 1970 to 1980. Born in England, he studied at Cambridge, and received his PhD in 1955.

Professor St. John Lambert has been a lecturer at Leeds and Oxford Universities; Fellow of Iffley College, Oxford; and Fellow and Secretary of the Governing Body of Wolfson College. He has published 75 papers, which concentrate mainly on the age and origin of the metamorphic complexes of the Scottish Highlands, the geological time-scale and the general theory of the evolution of the

Earth.

His present research interests lie in the tectonics of B.C. and the NW U.S.A. and of the Alberta oil sands, as well as further studies in geochronology.

Dr. Lambert is co-recipient with H. Baadsgaard and G.L. Cumming of a 1984 NSERC major equipment grant for the purchase of a new high-precision mass spectrometer.

John Orrell recorded his first appointment, that of Assistant Professor, here in 1961. A specialist in Shakespeare and an authority on English drama, he was appointed Full Professor in 1974. A graduate of Oxford (BA 1958, MA by conversion, 1965) and the University of Toronto (PhD 1964), Professor Orrell has taught a number of courses, including Modern British and American Drama, Canadian Drama, and graduate courses on Shakespeare.

His scholarly publications include *Fallen Empires: The Lost Theatres of Edmonton, 1881-1914* and *The Quest for Shakespeare's Globe*.

His numerous achievements have been recognized by his appointment to

the planning committees charged with developing designs for two full-scale replicas of "Elizabethan" public playhouses to be constructed in the near future, the one (of the First Globe) in London, the other (of the Second Globe) in Detroit.

The Royal Society of Canada was established in 1882 for the purpose of

promoting learning and research in the arts and sciences. Meetings, which are held annually in a Canadian academic centre, provide an opportunity for business transactions and the presentation and discussion of papers which are of immediate interest to members and the public at large. □

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## Demetrius Zissos, 1933 - 1984

Demetrius Zissos passed away suddenly on 2 April 1984.

After attending a Greek high school in Egypt, he graduated in Electrical Engineering from the University of Manchester. He worked in industry and taught at several British institutions before joining the University of Calgary in 1969. Professor Zissos taught first in the Department of Mathematics, Statistics and Computing Science, and later in the Department of Computer

Science when it became an independent unit. He became a Full Professor in 1974.

Professor Zissos joined the Department of Electrical Engineering at the University of Alberta on 1 September 1982, assuming the position of Visiting Professor. He was actively conducting computer camps and seminars for the layman.

Professor Zissos was well-known for his boundless drive and enthusiasm in whatever he was doing. Because of his background and interests, he had strong ties with electrical engineering in both Calgary and Edmonton. His death came as a complete shock to all who knew him; he is missed by his many friends and colleagues with whom he came into contact. □

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## CIUS Brings Out Two Publications

The Canadian Institute of Ukrainian Studies recently published two new books. The first, *Politics and Society in Soviet Ukraine 1953-1980*, by Borys Lewytzkij, is a detailed look at Soviet Ukraine, based primarily on the author's perusal of the Soviet press. The volume is 219 pages long and retails for \$14.95 clothbound and \$6.95 paperbound.

*Visible Symbols: Cultural Expression Among Canada's Ukrainians*, edited by Manoly R. Lupul, looks at the visible symbols through which Ukrainians in Canada express their identity in the North American milieu. The papers are taken from the conference on this theme held at the University of Manitoba in 1981. It retails (clothbound only) for \$19.95.

Both volumes are available from the University of Toronto Press, Distribution Department, 5201 Dufferin Street, Downsview, Ontario M3H 5T8. □

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## D.R. Clandinin Claims Canola Research Award

Donald R. Clandinin, Professor Emeritus of Poultry Nutrition, was the recipient of the CSP Canola Research Award at the Annual Meeting of the Canola Council of Canada held in Vancouver in March. The award is given by CSP Foods Ltd. of Saskatoon in recognition of outstanding research contributing to the advancement and utilization of canola and canola products.

Dr. Clandinin joined the staff of the University of Alberta in 1938 and retired in 1979. Although retired, he has continued his research and many other activities in the Department of Animal Science.

During the past 25 years, much of Dr. Clandinin's research has concentrated on factors affecting the nutritive quality of rapeseed and canola meals and oils. This research

has resulted in the publication of more than 80 scientific papers related to these products. His research has included studies on the influence of factors such as metabolizable energy, tannins, pentosans, nitrogen solubility, sinapine, dyebinding capacity and levels of available lysine on the nutritive value of the meal. He has also conducted research on the influence of high and low erucic acid rapeseed and canola oils on tissue changes in chickens and rats.

Dr. Clandinin's work is regarded as being of great significance because it has attacked and solved some of the problems that tended to limit the use of rapeseed and canola meals in poultry rations. It was for this effort that he received the CSP Canola Research Award. □

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## Faculty Study Space in Cameron and Rutherford Libraries

A review of the allocation procedure for faculty study space by the GFC Library Committee has resulted in a change in the allocation process to be implemented as study space becomes available, but no later than 31 August. All current study space users and those on the waiting list have been notified. A copy of the new procedure and a sample application is available from the Chief Librarian's Office, 5-02 Cameron Library, or the Office of Department Chairs. The deadline for applications for 1984-85 is 15 May. □

# Quota Programs at the University of Alberta

For the past four years, the Office of Institutional Research and Planning (IRP) has been collecting information from Faculties and departments in which quotas exist. This has been in accordance with procedures established in 1980 by GFC and the Board of Governors. Information is collected on the following aspects: number of qualified applicants, number of applicants accepted for admission, number actually commencing the program, the criteria used in admitting students, the rationale for the quota size, resources required to increase the quota, and the proposed quota for the following year. This information is summarized in the *Survey of Quotas*, which is distributed

to members of the Academic Development Committee, the Planning and Priorities Committee, the Board of Governors, and other administrators.

Quotas have traditionally existed in health-related programs, for example, Dentistry and Medicine, and in other "professional" fields, for example, Law and Engineering. These quotas have been introduced because of factors such as availability of specialized teaching facilities, market demand, and the need to maintain low student/staff ratios for the special demands of the subject matter. In recent years, with increasing demand for courses being countered by budget restraints and limited staff and space

resources, other programs have been forced to limit enrolments. In addition to first-year enrolment restrictions recently established by the Board of Governors, quotas now exist in the following Faculties or departments: Agricultural Engineering, Sociology—BA (Special) in Criminology—Drama, Business, Dentistry, Dental Hygiene, Engineering, Law, Library Science, Medicine Pathology—Medical Laboratory Science—Nursing, Pharmacy and Pharmaceutical Sciences, Occupational Therapy, Physical Therapy, and Speech Pathology and Audiology. The Library Science quota is the only official quota for a graduate program.

The accompanying table shows the quota levels for programs for 1983-84 and any changes since 1980-81. Quota levels have changed very little over the last four years. Programs in the Faculties of Business, Engineering, Nursing and Rehabilitation Medicine were the only ones to increase their quotas. The increases in Engineering resulted from the creation of a new program in Computer Engineering and the introduction of a Cooperative Education program. Physical

Education suspended its quota in 1981-82 as it was not getting enough applicants to fill its quota. The number of qualified applicants for quota programs have fluctuated over the last four years with the professional degree programs having the largest numbers of applicants.

In the past, applicants for admission from high school were required to have a high school diploma and an average of at least 60 percent in five appropriate subjects. As quota programs are highly competitive, successful applicants usually have averages which are somewhat higher. Depending on the area of study, some programs require university course work and other criteria for admission. For example, in the Dentistry program admission requirements include completion of at least two years of university work, completion of the Canadian Dental Aptitude Test, and a personal interview.\*□

*\*This article was submitted by Karen Kelloway, Research Officer, and E.A. Holdaway, Director, Office of Institutional Research and Planning.*

## Quota Levels at the University of Alberta

Program	Year	Quota	
BSc in Agricultural Engineering	1983-84	20 (no change since 1980-81)	Second-year Mechanical Engineering 1983-84 115
BFA in Drama	1983-84	20 (no change since 1980-81)	1982-83 115
BA (Special) in Criminology program;	1983-84	45 (total no change since 1981-82)	1981-82 115
First-year BCom	1983-84	260 (no change since 1980-81)	1980-81 95
BCom transfers	1983-84	250	Second-year Mineral Engineering 1983-84 70
	1982-83	250	1982-83 70
	1981-82	250	1981-82 60
	1980-81	225	1980-81 60
Dental Hygiene Diploma	1983-84	40 (no change since 1980-81)	LLB 1983-84 175 (no change since 1980-81)
DDS	1983-84	50 (no change since 1980-81)	Master of Library Science 1983-84 35 (no change since 1980-81)
First-year Engineering	1983-84	580	MD 1983-84 118 (no change since 1980-81)
	1982-83	560	Medical Laboratory Science 1983-84 36 (no change since 1980-81)
	1981-82	540	BScN Basic Program 1983-84 100
	1980-81	500	1982-83 80
Second-year Chemical Engineering	1983-84	65	1981-82 60
	1982-83	55	1980-81 54
	1981-82	55	Post-RN BScN 1983-84 144* (no change since 1980-81)
	1980-81	55	BSc in Pharmacy 1983-84 130 (no change since 1980-81)
Second-year Civil Engineering	1983-84	110	BPE 1981-82 quota was suspended
	1982-83	95	
	1981-82	90	BSc in Occupational Therapy 1983-84 40
	1980-81	90	BSc in Physical Therapy 1983-84 44
Second-year Computer Engineering	1983-84	40 (no change since 1981-82)	1982-83 44
Second-year Electrical Engineering	1983-84	115	1981-82 40
	1982-83	115	1980-81 40
	1981-82	95	BSc in Speech Pathology and Audiology 1983-84 33
	1980-81	105	1982-83 30
			1981-82 25
			1980-81 25

\*Of the 144, 108 are admitted on campus and 36 are admitted off campus.

## Canadian Studies Introduces Crustacean Course

Canadian Studies students are wrapping up the academic year by conducting an exchange with St. Mary's University, Halifax. Twenty-one University of Alberta students left 29 April for Halifax to spend a week learning about the Atlantic region and lunching on lobster. They return on 6 May with their counterparts from St. Mary's. Events at this end include lectures on Alberta history and Edmonton city politics, courtesy of Professors Betke and Lightbody respectively, visits to the Legislature, City Hall, the Ukrainian Village and West Edmonton Mall; a two-day excursion to Calgary, Banff and Lake Louise; and general inter-regional sociability, beginning with a wine and

cheese reception 6 May at Lister Hall underwritten by Dean Terry White of the Faculty of Arts.

Air fares for the exchange are covered by Open House Canada, a program within the Department of the Secretary of State, while grants have been received (and much appreciated) from the Students' Union and the *Edmonton Journal*. Students participating in the exchange raised most of the money to entertain the Haligonians hospitably by raffling Oilers playoff tickets and conducting bake sales in HUB. All in all, a useful experience in organizing, fund raising and hosting for the students, who have well earned their Atlantic excursion.□

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## Engineers Evaluate Home Heating Strategies

Were Mark Twain alive today, he might well postulate that nothing is certain but death, taxes, and an ever-increasing utility bill. Indeed, a comparison of home heating bills from one year to the next appears to indicate that higher rates are now a fact of life.

It was a concern with this question of energy consumption in houses that led a team of engineers at the University of Alberta to begin a major investigation into home heating strategies in northern climates. The principal investigator was initially Bob Gilpin, Professor of Mechanical Engineering. When he died in a tragic cross-country skiing accident, his friend and colleague Doug Dale, also a Professor of Mechanical Engineering, took over leadership of the project. "Bob's insight into the problem was incredible," says Dr. Dale. "The credit must go to him for

the way in which he set up the project."

And that project? A major experimental and computer modelling study designed to assess the effectiveness of several home heating strategies. Original funding for the long-term project came from the Alberta/Canada Energy Resources Research Fund, a joint program of the Federal and Alberta governments administered by Alberta Energy and Natural Resources. More recently, financing has been obtained through a strategic grant from NSERC, the Natural Sciences and Engineering Research Council of Canada (\$50,000 per year for three years).

The innovative research project is being carried out at the University's Ellerslie Research Station where six uninhabited, single-storey modules are being used to measure such various domestic heating strategies as

increased levels of insulation, improved air-vapor barriers to reduce air infiltration, active and passive solar designs, and the use of improved thermal recovery furnaces.

The six "homes" are identical in size. Forty-nine square meters in area with full basements, they are small enough that modifications to the structures can be made without great expense, yet large enough that conventional building techniques can be used. In all six modules air infiltration energy losses are being measured constantly. Four different levels of insulation are in use (ranging from a "standard" level equal to the value existing in most current housing to a "superinsulation" level). Exterior insulated window shutters have been installed in one module in order to measure the effectiveness of a passive solar design, while an active solar air heating system is being evaluated in another.

Based on data collected during the first three years of the study, several important conclusions can be drawn: (1) increased insulation levels in the modules reduced the annual heating consumption by up to sixty percent, but "superinsulation" does not appear to be economically viable; (2) careful installation of an air vapor barrier produced only marginal improvements in air tightness compared with other sources of air leakage which could be eliminated (for example, open gas furnace flue pipes); (3) air infiltration can easily become the dominant heat loss factor in a house built to present-day recommended levels of insulation; (4) double pane, south-facing windows without shutters used for passive solar gain behave thermally like an opaque insulated wall; (5) the use of movable exterior or interior shutters on double pane, south-facing windows can reduce the seasonal heating energy requirement by ten to twenty percent; (6) computer simulations indicate that even well insulated basements in well insulated houses still account for a significant portion (nearly 30 percent) of the yearly heat loss; (7) while active air solar collectors do contribute significantly to the heating energy requirements in late spring, summer, and early fall, the lack of sun-hours during winter makes such a

heating method economically unsound.

After what Dr. Dale terms a "slow year" (due mainly to instrumentation and measurement problems), the study is gearing up again. Additional insulation is being added to the modules, including interior basement walls; doors with special blower fans will replace existing doors in order to facilitate better measurement of air infiltration; a variety of gas furnaces will be installed to evaluate the field performance of the different models; the effect of adding flue dampers to the furnaces will be studied; and the efficiency of using brick rather than siding will be measured.

"The reduction of heating energy requirements in detached housing is a national priority," says Dr. Dale. "We believe that our unique testing facility is making a significant contribution to the scientific and applied aspect of energy conservation in housing. We foresee an exciting and productive future for the facility." □

*Reprinted from Winter 1983 edition of Research Reporter.*

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## Career Fair to Complement WISEST/UAYs Conference

The corridors of CAB will be busier than usual during the afternoon of Friday, 11 May. As part of the WISEST/UAYs "Alberta Conference on Women in Science, Engineering and Technology," a Career Fair of more than 20 displays will take place. Syncrude, Esso, Atomic Energy of Canada, and Canada Employment are among the groups that will set up shop for an afternoon designed to provide information to potential university students. The numerous University departments to take part include Genetics, Zoology, Food

Science, and Biochemistry.

While the fair, like the conference, leans toward women, the displays will be of interest to anyone interested in pursuing a scientific career, says Cathy McPhalen, Coordinator of the Career Fair. Video tapes, pamphlets, and posters will abound during the 2 to 5 p.m. fact-finding event. More information may be obtained from Cathy McPhalen, 432-2422, or Sandy Campbell, 432-2728. "Steps to a Scientific Career" takes place at Lister Hall, 11 to 13 May. □



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## Paperback Series Launched

The paperback series, the CAUT *University Library*, has been taken over by a new publisher, the University of British Columbia Press. Launched by the Canadian Association of University Teachers to bring some of the concerns of academics to a wider audience, the series got under way first in cooperation with a Toronto publisher. However, the CAUT has now concluded an agreement with the UBC Press, and hopes to produce two or three titles a year. The books are aimed at the general trade; one of their purposes will be to publicize some of the research that is done on university campuses.

The general editor of the series is J.A.S. Evans, Professor of Classics, University of British Columbia, (604) 228-4063. Enquiries from potential authors are welcome. □

## Folio accepts display advertising

**Size and rates:** the basic unit size is 21 agate lines x 11 picas (1 1/2" x 1 7/8"). The full page is divided into 22 such units, any combination of which is available at a cost of \$15 per unit. Half page costs \$165. One column costs \$82.50. A professional/business card unit is available at a cost of \$30. Discounts are offered for extended runs, please enquire.

**Other specifications:** half-tones (100-line screen or less) are acceptable; no colour or bleeds. Camera-ready copy is necessary. There is a charge of 30c per word for typesetting, and \$7.50 for adjustment of design work. Deadline for submission is one week prior to publication (Thursday, 3 p.m.). Acceptance of advertisements and positioning are at the discretion of the editor.

These rates are effective from 1 January 1981. For more information please telephone 432-2325 and ask about *Folio* display advertising or write to:

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423 Athabasca Hall  
The University of Alberta  
Edmonton, Alberta  
T6G 2E8

## people

Gwynn Nettler (Professor Emeritus of Sociology) lectured on "Rationality and Response to Crime" at the annual meeting of the Western Social Science Association in San Diego, 25 April. A third edition of his textbook, *Explaining Crime*, appeared earlier this year.

G.A. Rothrock (History) attended the Thirtieth Annual Meeting of the Society for Studies in French History and participated in a seminar on "Patronage and Politics in the Seventeenth Century." This year's meetings were held at the University of Virginia, Charlottesville, Virginia.

Jenniee Larsen (Nursing) is the first recipient of an annual dissertation award offered by the Canadian Society for the Study of Higher Education. Dr. Larsen will be presented with the award at the Society's annual meeting in Guelph, where she also has been invited to make a presentation based upon her study, "A Psychological Study of the Career Development of Nurses with Earned Doctoral Degrees." Dr. Larsen completed her doctoral study in Educational Administration at this University under the supervision of R.G. McIntosh.

M.V. Dimić (Comparative Literature and Director of the Research Institute for Comparative Literature/Institut de Recherches en Littérature Comparée) has been appointed to the Executive Committee, Division for Comparative Studies in Romanticism and the Nineteenth Century of the Modern Language Association of America. He is replacing the late Paul de Man (Yale) on this committee.

"The Merchants of Dazu" by James DeFelice (Drama) will be presented at the Edmonton International Children's Festival for seven performances, 17, 18, and 19 May, at the Edmonton Art Gallery. An original fable set in ancient China, the play is produced by the Chinook Theatre and has been touring schools in Alberta since February.

L.C. Green (University Professor) attended the conference on World Affairs at the University of Colorado

and was a member of seven panels on various aspects of international law and politics. A lecture on "International Law and Terrorism" was delivered in Colorado's Department of Political Science.

The Metro Gulutsan Memorial Scholarship has been awarded to David John Thomas Rees, a graduate student in the Department of Slavic and East European Studies.

## service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

### Coming Events

#### Lectures and Seminars

##### Medicine

4 May, 8 a.m. Dr. Dickout, Misericordia Hospital, "Fee Fii Fo Fum." 2-115 Clinical Sciences Building.

7 May, 8 a.m. G.W. Scott, "Resident Research Papers." 2-115 Clinical Sciences Building.

##### Speech Pathology and Audiology

7 May, 3:30 p.m. David A. Shapiro, Indiana University, "Insights into the Supervisory Process." 450 Garneau Professional Centre.

##### Committee for the Improvement of Teaching and Learning

7 May, 10 a.m. "Where do Study Skills Fit in the Scheme of Things in a University?" Instructor: A. Vander Well. 2-33 Humanities Centre.

7 May, 1 p.m. "Computerized Literature Searching." Part I. Presented by: University Libraries. 2-115 Education North.

8 May, 1:30 p.m. "PLATO Workshop." Instructor: M. Szabo. 2-49 Medical Sciences Building.

10 May, 9 a.m. "Overhead Projection." Instructor: H. Hoekstra. B19 Education South.

10 May, 7 p.m. "Computerized Literature Searching." Part II. 351 General Services Building.

16 May, 9:30 a.m. "Technical Services and Radio and Television." Instructors: W.H. Jopling, D. Patten, J. Gould, D. Spearing, K. Pappes. 165 Education South.

16 May, 1 p.m. "Computer Analysis of Tests." Instructor: V. Nyberg. 2-33 Humanities Centre.

##### Canadian Institute of Ukrainian Studies

8 May, 3:30 p.m. Marko Pavlyshyn, Monash University, Clayton, Victoria, Australia, "Aspects of Ukrainian Literature in Australia." 352C Athabasca Hall.

##### Rehabilitation Medicine

9 May, 3:30 p.m. Eve Kassirer, Health Services and Promotion, Health and Welfare Canada, "Methods for Improving the Quality of Health Care Through Consensus Guidelines." Saskatchewan Room, Faculty Club.

##### Anatomy

9 May, 4 p.m. David E. Blask, University of Arizona, "The Pineal Control of Prolactin." Sponsored by the Alberta Heritage Foundation for Medical Research. 6-28 Medical Sciences Building.

##### East Asian Languages and Literatures and East Asian Studies Committee

10 May, 3:30 p.m. A. Liman, University of Toronto, "Buddhist Symbolism in Kawabata Yasunari's *Sand of the Mountain*." 1-3 Humanities Centre.

##### Pharmacology

14 May, 4 p.m. Roger A. Johnson, Department of Physiology, Vanderbilt University, "Mechanism for Adenylate Cyclase Regulation by Adenosine." 9-68 Medical Sciences Building.

##### Radio and Television

###### Television

Programs broadcast on ETV Q-9 and C-13.  
9 May, 8 p.m. Images of Alberta hosted by Kanhaya Gupta. Guest: Alistair Creran.

##### Theatre

###### Studio Theatre

10 to 19 May. "A Street Car Named Desire." For further information or tickets, call 432-2495.

###### SUB Theatre

6 May, 2 p.m. St. Basil's Ukrainian Language Arts Society, Ukrainian language and dance students spring concert. For more information, call Peter at 467-3633.

10 to 12 May, 8 p.m. "Mummenschanz." A mime-mask troupe. For more information, call 432-4764.

### Non-Credit Courses

#### Computing Services

##### MTS (Michigan Terminal System)

MTS and Editor Fundamentals (Prerequisite)  
AJ510 Operation and Visual Editing  
MTS Overview (Prerequisite)

##### TEXTFORM

Introduction to Text Formatting (Prerequisite)

##### SPIRES

Introduction to SPIRES (Prerequisite)  
Advanced SPIRES

##### Graphics

Introduction to Plotting  
Integrated Graphics Overview



### Statistics

Data Preparation for Statistical Packages (Prerequisite)  
Introduction to SPSSx  
SPSSx Conversion  
Introduction to BMDP  
Introduction to MIDAS  
Introduction to MINITAB  
Introduction to TROLL

### Microcomputers

Introduction to the IBM PC  
The above courses are offered regularly through the day with limited evening selections.  
Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

### Waiting List Courses

The following courses are only offered when a sufficient number of people express an interest.  
Advanced Text Formatting Courier Operation and Visual Editing  
Introduction to Programming  
Introduction to Typesetting  
Introduction to APL  
Introduction to the Array Processor  
Introduction to APAL  
Introduction to Clustan  
Introduction to TSP  
Introduction to Osiris  
For more information on any of the courses listed above, telephone the Training Assistant at 432-2511, between 8:30 and noon, weekdays.

### Extension

#### Ministik Hills Bird Study Weekend

The above excursion will take place *11 to 13 May*. For more information, call 432-3033.

#### Applied Behavioral Sciences Division

For further information on the courses listed below, telephone 432-5069.  
Meeting the Educational Needs of Gifted Children  
Assertion and Interpersonal Skills Training  
A Positive Approach to Parenting and Discipline—Making Friends, Not Enemies!  
Assertion and Interpersonal Skills Training for Professionals  
The Eclectic Counsellor

### Fitness and Lifestyle Courses

There are a few spaces left in the following programs. For further information on the courses listed below, telephone Dianne Steiner, 432-2015.  
Fitness During Pregnancy  
Fitness for Unfits  
Iyengar Yoga  
Physical Culture  
From Fat to Fit  
Aerobic Fitness for Women  
Body Awareness Through Movement  
Tai Chi

### Educational Travel

For further information on the courses listed below, telephone 432-3037 or 432-5038.  
Queen Charlotte Ecological Hiking Trip  
West Coast Safari Sailing Trip

### Visual Arts

For further information on the courses listed below, telephone 432-3034 or 432-3116.  
Spring Landscape '84—Canmore  
Nature Photography  
Travel Photography Workshop  
Handbuilding with Porcelain Clay (Intermediate/Advanced)  
Raku Workshop (Intermediate/Advanced)

### Dentistry

For further information on the courses listed below, call 432-5023.  
Molar Endodontics (4069 Dentistry/Pharmacy Centre)—5 May  
Clinical Gross Anatomy (Faculty of Medicine)—11 to 12 May

## Notices

### Ron Phillips to Retire

Ron Phillips, Vice-President (Facilities and Services) since 1975, will retire from the University after 42 years of service. An informal reception to honor Mr. Phillips will take place Friday, 8 June, from 2:30 to 5 p.m. in the Banquet Room, Lister Hall.

All members of staff and all friends and acquaintances of Mr. and Mrs. Phillips are invited to attend the reception to wish them farewell.

Persons wishing to make donations toward a retirement gift for the couple are invited to send cheques, payable to the Ron Phillips Retirement Fund, to A.M. Rennie, 1-3 University Hall, before 31 May.

### GSA Offers Freebies

The Graduate Students' Association is now offering free social memberships to the Power Plant Restaurant and Lounge to all *University of Alberta* staff for the period 1 May 1984 to 30 August 1984. For further information, telephone the GSA Office at 432-2175.

## Positions Vacant

*The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

### Administrative Officer, Department of Chemistry

Applications are invited for the position of Senior Administrative Officer, Department of Chemistry. The department is a large teaching and research department within the Faculty of Science with a total staff of more than 300 people.

Duties include the supervision of the financial, physical and personnel resources of the department, and management of the day to day operations. The successful applicant will assist in the formulation, implementation, and enforcement of departmental policies in a broad range of areas. The position calls for someone with initiative, imagination and tact, and who is capable of working with a variety of people. Applicants must have several years of administrative and managerial experience, preferably in a university setting. A university degree, especially a BSc, is preferred.

The Senior Administrative Officer reports to the Department Chairman. The salary offered will be

commensurate with qualifications and experience: the salary range is \$35,000 to \$45,000 per annum. The position should commence no later than 15 August 1984.

Applications, including a résumé and the names of three referees, should be sent to: Dr. R.J. Crawford, Chairman, Department of Chemistry, University of Alberta, Edmonton, Alberta T6G 2G2.

Closing date for receipt of applications is 15 May 1984.

### Non-Academic Positions

To obtain further information on the following positions, please contact *Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201*. As positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 26 April 1984. For a more up-to-date listing, please consult the weekly *Employment Opportunities Bulletin* and/or the postings in *PSSR*.

Clerk Typist II (Part-time) (\$813-\$973) Medical Laboratory Science  
Clerk Typist II (\$1,161-\$1,390) Graduate Studies  
\*Clerk Typist II (\$1,161-\$1,390) Student Awards  
Clerk Steno II (\$1,161-\$1,390) Nursing  
Purchasing Clerk (\$1,294-\$1,561) Physical Plant  
Clerk Steno III (Part-time, Trust) (\$259-\$312) Cancer Research Group  
\*Clerk Steno III (\$1,294-\$1,561) Dean of Education  
Clerk Typist III (\$1,294-\$1,561) Personnel Services and Staff Relations  
\*Clerk Typist III (\$1,294-\$1,561) Physical Therapy  
\*Clerk Typist III (\$1,294-\$1,561) Registrar's Office  
Medical Steno (Part-time, Trust) (\$721-\$883) Pediatrics  
\*Medical Steno (\$1,442-\$1,766) Surgery  
Secretary (\$1,442-\$1,766) Physical Plant  
\*Secretary (\$1,442-\$1,766) Botany  
Technician I (Part-Time, Trust) (\$749-\$921) Anatomy  
Animal Technician I/II (Trust) (\$1,497-\$2,092) Pediatrics  
Biochemistry Technologist I (Trust) (\$1,697-\$2,092) Cancer Research Group  
Technician II/III (Trust) (\$1,697-\$2,378) Pediatrics  
Technician II/Technologist II (Trust) (\$1,697-\$2,378) Immunology  
Applications Analyst (\$1,842-\$2,280) Registrar's Office  
Administrative Assistant I (\$1,842-\$2,280) Extension  
Administrative Assistant I (\$1,842-\$2,280) Dentistry  
Biology Technologist II (Trust) (\$1,920-\$2,378) Genetics  
Typographical Tradesman II (\$1,920-\$2,378) Printing Services  
Technician III (Trust) (\$1,920-\$2,378) Dentistry  
Biochemistry Technologist III (\$2,182-\$2,710) Occupational Health and Safety  
Helium Liquifier Technician (Trust) (\$2,182-\$2,710) Physics  
Plant Operator II (\$2,280-\$2,834) Physical Plant  
Electronics Technician IV (\$2,280-\$2,834) Computing Science  
Nurse Practitioner (Trust) (\$2,486-\$3,099) Pediatrics  
\*In accordance with current Hiring Freeze policy, applications for these positions are restricted to current non-academic staff for a period of 10 working days.  
For vacant library positions, please contact the Library Personnel Office, Basement, Cameron Library. Telephone 432-3339.

## Advertisements

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.*

### Accommodations available

For sale - Farm, by owner, 80 acres, #1 cultivated soil. Cozy, renovated home, beautifully landscaped, granaries, barn, excellent wells, cattle-waterers. Large, additional, cedar studio. \$130,000. 1-662-3596.

For sale - South Garneau. Two-bedroom plus den condo. \$99,500. By owner, 439-9526. Open house, Sunday, 2-5 p.m. 11115 80 Ave., Ring #11.

Sale - Grandview. \$159,900. Open beam, four bedrooms, two fireplaces, upgraded carpet, air conditioning. Eleanor Duncan, Langley, 434-7368.

Sale - Kapasiwin Beach, lakefront cottage. \$89,000. Furnished, three-piece bath, fireplace, garage, boathouse. Eleanor Duncan, Langley, 434-7368.

Rent - July 1984-June 1985. Four-bedroom house in Holyrood. Furnished, enclosed yard, deck, bus to University. \$750/month. G. Allaire, 468-1254, 468-2683.

Rent - Three-bedroom, furnished bungalow in Malmo. 1 July 1984-1 January 1985. \$600/month. 437-0909.

Sale - Aspen Gardens. Four bedrooms, close to ravine, \$124,000./Belgravia. Two-storey and semi-bungalow, \$92,000./Lansdowne. Big brick bungalow, 2,300 sq. ft. Must sell! Liz Crockford, Spencer's, 436-5250, 434-0555.

Sale - Traditional, old brick, two-storey, beautiful, 75' lot, upgraded interior. \$159,900. Also a two-storey, split for \$136,900. Liz Crockford, Spencer's, 436-5250, 434-0555.

Sale - Riverbend. Brick bungalow priced below \$100,000. Three, plus two bedrooms, new broadloom, three bathrooms, recreation room, double garage, direct bus to University. Liz Crockford, Spencer's, 436-5250, 434-0555, res.

Rent - Three-bedroom bungalow, two-car garage, fenced lot, all appliances. Available 1 July 1984 to 30 June 1985. Reasonable rent. Call 462-4186 evenings.

Sale - Riverbend, Spanish Villa, executive home. 3,550' custom built. \$295,000. Resi Richter, 483-9432, 455-4181. A.E. LePage.

Sale - Inglewood dollhouse. Two-bedroom bungalow. Finished basement. \$71,500. Resi Richter, 455-4181, 483-9432. A.E. LePage.

Rent - Immediately, furnished, University condo. 433-6654.

Sale - Restored beauty! 1,685 sq. ft. bungalow. Oak floors, bookcases, French doors, stone fireplace, breakfast room, remodelled kitchen, family room. Double garage. \$112,000. Call Sylvia Robertson, 459-2000, 973-6656. The Permanent.

For rent - University area. Furnished, one-bedroom, basement suite. \$300 monthly (utilities included). Available 1 May. Phone 469-8650.

Sale - Charming, older home in Crestwood on

double lot. Three bedrooms up, fourth in finished basement. 15 minutes from campus. Large, double garage. Mature landscaping. \$148,000. 452-0271.

Sale - Delightful, two-bedroom condo. 1 1/2 baths, fireplace, six appliances. Evenings/weekends, 432-0119.

For rent - Three-bedroom house in Parkallen. 25 June-25 August. Non-smokers. 436-5732.

Sale - Log house. Suitable for acreage, lake lot 1,000 sq. ft., 1 1/2 storeys. \$12,500. 469-8413.

Sale - University, two-bedroom bungalow. Renovated. Large lot. Basement suite. Sauna. \$79,000. 436-9320.

Sale - Historic Inglewood/Groat Estate. Upgraded, 2 1/2 storeys, 1,650 sq. ft. plus 800 sq. ft. attic, four bedrooms plus den. By owner. \$128,000. No agents. 451-4926.

Sale - Parkallen, cozy, affordable home. Four appliances and more. Double garage. Ready to move in. \$65,000. 436-5144.

For sale - Belgravia home. Walk to University. Available early July. \$132,000. 436-6219.

Sale - Parkallen, four-bedroom, quiet street, walking distance to University. 438-0222, 432-3532.

Sale - Blue Quill bungalow, 1,367', three bedrooms, double garage, excellent condition, close University. Owner. \$116,000. 434-4586.

Rent - Bachelor apartments. Starting \$310, including utilities. 433-1676. 11147-82 Ave.

Rent - University, Belgravia, five-bedroom home. Double garage, laundry, fireplace, treed backyard. Clean, well-kept home, quiet area. \$900/month. 115 St. 80 Ave. 469-0996 evenings.

Open house - 11823 87 Ave. Windsor Park. Sunday, 6 May, 2-4 p.m. Bungalow 1,550 sq. ft. Large, treed, sunny, south yard. Owner transferred. Call Chris Tenove, 433-5664, 436-5250. Spencer's.

For rent - Five-bedroom house on 76 Ave. Close to University. 426-4304.

Sale - 70'x150' treed lot in quiet Aspen Gardens, provides maximum privacy for this contemporary

O.B. bungalow. Finished basement, double, front garage, large deck, hot tub. Andrea Hammond, 430-6872. A.E. LePage, 436-5080.

Sale - \$89,000. Lendrum. Super, three-bedroom bungalow, has 10 1/2' ceilings, loads of extra cupboards in kitchen, finished basement, double garage, south exposed back. Andrea Hammond, 430-6872. A.E. LePage, 436-5080.

Sale - \$69,900. Handy to Southgate and buses to University. Two-storey, half duplex, has new bathrooms, flooring, carpet. Garage. 12 1/2% mortgage. Andrea Hammond, 430-6872. A.E. LePage, 436-5080.

Rent - Furnished, three-bedroom townhouse. January-June inclusive, 1985. Duggan area, direct bus to University. Tenant must be willing to look after cat. 432-5380, 437-1667.

Rent - Belgravia. August/September for one year. Furnished, four-bedroom house. Deck, double garage. \$850/month. 436-1767.

For rent - Furnished home, Aspen Gardens, backs on ravine, four bedrooms, den. Available 1 August 1984 for 12 months. Owner on study leave. \$800/month. Phone 435-6828.

#### Accommodations wanted

Housesitter needed? Mature, married, female, grad. student, will provide tender, loving care for your home or apartment, during Spring and Summer Session (possibly over winter). Call 466-5914 for arrangements.

Professional couple, no children, non-smokers, want furnished accommodations/house for July 1984 to July 1985. Prefer proximity to University Hospital. Call Dr. Klimek, (416) 632-8935, Burlington, Ontario (collect).

Professor requires room within walking distance of the University, effective 1 July 1984. 432-5863. Professional/family. Four bedrooms, Southside preferred. 434-2661.

#### Automobiles and others

1975 Monza V8, automatic, runs well. 469-8413.

#### Goods for sale

Bike, junior girls, blue, 5-speed. Like new. \$100. 433-1610.

23" Carlton Criterium, men's, 12-speed, hardly used, \$250 (new \$400). Desk, 60"x 30", five drawers (one for files), dark wood. Excellent condition. \$225. 439-1578, 4-7 p.m.

Gravity guidance (inversion) equipment for health and physical alignment. Professional unit plus portable unit with oscillation bed, gravity guidance boots, books. \$1,500 (new \$2,300). Brand new condition. 439-1578, 4-7 p.m.

Japanese acussage bed for alignment, massage, relaxation. \$1,300. (new \$2,000). Two sheets high quality mirror; each measures 8'x 4'x 1/4". \$300 (new \$450). Brand new condition. 439-1578, 4-7 pm.

Books bought and sold - The Edmonton Book Store in HUB Mall will pay cash for book collections and individual, rare items. Appraisals available. Open seven days a week. 433-1781.

#### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Singing teacher, Eileen Turner, 439-4661.

Word processing - \$18/hour. Typing - from \$1.50/page. Greek symbols and equations. 432-0138.

Academic staff: Supplementary healthcare reimburses treatment costs for backaches, stress tension at Back Basic Therapy. Maria Krieg, university-trained in Düsseldorf, offers: Heat, massages, chiogymnastics, interferential electrotherapy. 436-8059. 11627 75 Ave.

Babysitter, full-time, needed for 1 May. Room and board optional. Phone 438-1740 for interview.

Professional typist - Word processing. Specializing in theses and dissertations. Gwen, 467-9064.

Help needed from parents of students in Edmonton Public, French Immersion classes. Be your school representative. Call Dr. Frances Harley, 432-6631 or 452-2615 after 7 p.m.

Barbar's Bilingual (English/French) Children's Centre is taking registration for September 1984 kindergarten and pre-kindergarten classes. We provide a unique and comprehensive program in a nurturing atmosphere. 10345 144 St. Call 455-5710.

South Africa, stopover Buenos Aires, en route to Capetown, Garden route tour to Durban and Johannesburg, return via London. October 1984. For information, call Iris Rosen, Personalized Travel Consultant. 482-4101.

Ecole Grandin offers Catholic education and strong French immersion program with academic emphasis in downtown area. Also: After school care, French immersion, pre-kindergarten. Phone, 482-3676.

## COLD SORES!

Do you suffer from recurring cold sores? Would you like to participate in a CONFIDENTIAL, controlled study by a University of Alberta research team investigating a promising anti-viral medication?

For more information, call Sheri or Joanne at 432-2691.

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